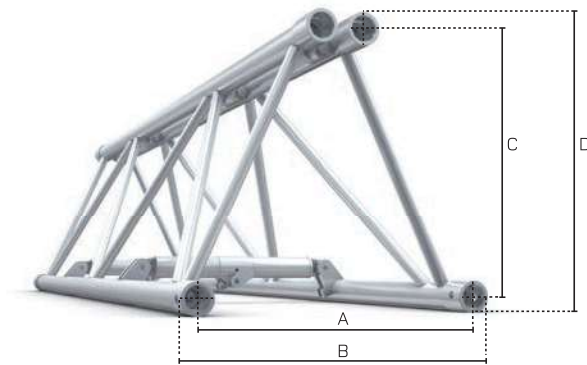


Suspend your great ideas

M520



- High-capacity M520 series truss range
- Square or compact folding formats available
- Super-sized conical connections for maximum rigidity
- User-friendly tapered pin holes for ease of assembly
- Great free-span & loading characteristics (up to 24m / 78.74 ft)
- Connection kit supplied with every truss length & junction
- Compatible with 200/400/500/600 series cell clamps
- Powder coat colour finish available on request

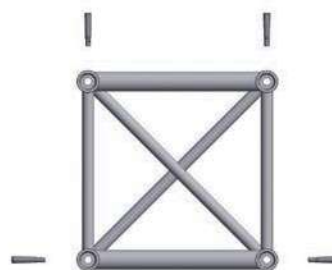


FOLD

M520	Main Tubes		Braces		Alloy	A		B		C		D		Coupler
FTP	50x4mm	2" x 0.16"	25x3mm	0.98"x0.12"	EN - AW 6082 T6	520mm	20.47"	579mm	22.80"	470mm	18.50"	529mm	20.83"	CCO

M520 FTP FOLD													LOADING CHART	
Span	m	ft	4.00	13.12	6.00	19.69	8.00	26.25	10.00	32.81	12.00	39.37		
point load		kg	lbs	2584.90	5698.72	2308.00	5088.26	1927.00	4248.30	1627.00	3586.92	1393.70	3072.58	
deflection		mm	inch	3.80	0.15	11.60	0.46	23.20	0.91	38.80	1.53	58.40	2.30	
two point load		kg	lbs	1292.40	2849.25	1282.30	2826.98	1221.00	2691.84	1073.00	2365.56	951.00	2096.59	
deflection		mm	inch	3.30	0.13	11.00	0.43	25.00	0.98	43.40	1.71	67.30	2.65	
three point load		kg	lbs	861.60	1899.50	854.90	1884.73	848.20	1869.96	841.40	1854.97	696.90	1536.40	
deflection		mm	inch	3.00	0.12	10.20	0.40	24.20	0.95	47.30	1.86	68.70	2.70	
four point load		kg	lbs	646.20	1424.63	641.20	1413.60	636.10	1402.36	631.10	1391.34	580.70	1280.22	
deflection		mm	inch	2.90	0.11	9.80	0.39	23.20	0.91	45.20	1.78	72.70	2.86	
distributed load		kg/m	lbs/ft	646.20	434.23	427.40	287.20	318.10	213.75	252.40	169.60	208.70	140.24	
deflection		mm	inch	2.40	0.09	8.10	0.32	19.30	0.76	37.70	1.48	65.10	2.56	

Span	14.00	45.93	16.00	52.49	18.00	59.06	20.00	65.62	22.00	72.18	24.00	78.74
point load	1175.90	2592.41	1010.00	2226.67	878.70	1937.20	771.60	1701.08	682.20	1503.99	606.00	1336.00
deflection	79.90	3.15	105.00	4.13	133.90	5.27	166.70	6.56	203.50	8.01	244.60	9.63
two point load	855.00	1884.95	757.50	1670.00	659.00	1452.84	578.70	1275.81	511.70	1128.10	454.50	1002.00
deflection	97.50	3.84	131.30	5.17	166.40	6.55	205.90	8.11	249.60	9.83	297.80	11.72
three point load	587.90	1296.10	505.00	1113.33	439.30	968.49	385.80	850.54	341.10	752.00	303.00	668.00
deflection	93.70	3.69	122.80	4.83	155.90	6.14	193.10	7.60	234.60	9.24	280.50	11.04
four point load	489.90	1080.04	420.80	927.70	366.10	807.11	321.50	708.79	284.30	626.77	252.50	556.67
deflection	99.10	3.90	129.60	5.10	164.40	6.47	203.40	8.01	246.70	9.71	294.40	11.59
distributed load	168.00	112.89	126.20	84.80	97.60	65.58	77.20	51.88	62.00	41.66	50.50	33.93
deflection	98.30	3.87	128.70	5.07	163.20	6.43	202.00	7.95	245.00	9.65	292.40	11.51



QUATRO

M520	Main Tubes		Braces		Alloy	A		B		Coupler
QTP	50x4mm	2"x0.16"	30x3mm	1.81"x0.12"	EN - AW 6082 T6	470mm	18.50"	529mm	20.83"	CCO

M520 QTP QUATRO			LOADING CHART											
Span	m	ft	6.00	19.69	8.00	26.25	10.00	32.81	12.00	39.37	14.00	45.93	16.00	52.49
point load	kg	lbs	2367.00	5218.34	1956.00	4312.24	1652.00	3642.03	1402.30	3091.54	1184.90	2612.25	1019.60	2247.83
deflection	mm	inch	11.80	0.46	23.40	0.92	39.00	1.54	58.10	2.29	79.60	3.13	104.50	4.11
two point load	kg	lbs	1451.00	3198.90	1257.00	2771.21	1098.00	2420.67	968.00	2134.07	862.00	1900.38	764.70	1685.87
deflection	mm	inch	12.30	0.48	25.60	1.01	44.00	1.73	67.80	2.67	97.30	3.83	130.90	5.15
three point load	kg	lbs	1083.00	2387.60	967.00	2131.87	851.50	1877.23	701.20	1545.88	592.50	1306.24	509.80	1123.92
deflection	mm	inch	12.80	0.50	27.40	1.08	47.50	1.87	68.50	2.70	93.40	3.68	122.40	4.82
four point load	kg	lbs	866.00	1909.20	797.00	1757.08	709.60	1564.40	584.30	1288.16	493.70	1088.42	424.80	936.52
deflection	mm	inch	13.10	0.52	28.70	1.13	50.30	1.98	72.50	2.85	98.80	3.89	129.20	5.09
distributed load	kg/m	lbs/ft	817.20	549.13	537.30	361.05	340.60	228.87	233.70	157.04	169.30	113.76	127.50	85.68
deflection	mm	inch	15.20	0.60	31.90	1.26	49.90	1.96	71.90	2.83	98.10	3.86	128.30	5.05

Span	18.00	59.06	20.00	65.62	22.00	72.18	24.00	78.74	26.00	85.30	28.00	91.86	30.00	98.43
point load	889.00	1959.91	782.70	1725.56	694.00	1530.01	618.60	1363.78	553.40	1220.04	496.10	1093.71	445.30	981.72
deflection	133.20	5.24	165.70	6.52	202.10	7.96	242.70	9.56	287.60	11.32	336.90	13.26	391.00	15.39
two point load	666.80	1470.04	587	1294.11	520.50	1147.50	463.90	1022.72	415.00	914.92	372.10	820.34	334.00	736.34
deflection	166.00	6.54	205.20	8.08	248.80	9.80	296.70	11.68	349.00	13.74	405.80	15.98	467.00	18.39
three point load	444.50	979.95	391.30	862.67	347.00	765.00	309.30	681.89	276.70	610.02	248.10	546.97	222.70	490.97
deflection	155.30	6.11	192.40	7.57	233.60	9.20	279.20	10.99	329.10	12.96	383.40	15.09	442.30	17.41
four point load	370.40	816.59	326.10	718.93	289.20	637.58	257.70	568.13	230.60	508.39	206.70	455.69	185.60	409.18
deflection	163.90	6.45	202.70	7.98	245.80	9.68	293.30	11.55	345.10	13.59	401.40	15.80	462.20	18.20
distributed load	98.80	66.39	78.30	52.62	63.10	42.40	51.50	34.61	42.60	28.63	35.40	23.79	29.70	19.96
deflection	162.70	6.41	201.30	7.93	244.20	9.61	291.30	11.47	342.90	13.50	398.90	15.70	459.40	18.09

STANDARD LENGTHS AND WEIGHTS AVAILABLE

	m	ft	1.00	3.28	1.20	3.94	1.50	4.92	1.60	5.25	2.00	6.56	2.40	7.87	2.50	8.20	3.00	9.84	3.50	11.48	4.00	13.12
FOLD	kg	lbs	13.40	29.54	14.50	32.03	-	-	13.40	29.54	14.50	32.03	29.10	62.83	-	-	32.00	70.55	-	-	-	-
QUATRO	kg	lbs	17.00	37.48	18.40	40.70	21.70	47.97	-	-	27.60	60.85	31.60	69.69	33.00	72.75	38.30	84.44	44.00	97.00	49.00	108.03

Connection material (pins/clips/couplers) and packaging not included in above weights

All truss loading calculations and TUV certifications are based on:

Truss supported or suspended at both ends • Static loadings only • Loads applied in the node points • Self weight of trusses included • Spans made of different truss lengths • Interaction of bending moment and shear force at connector • Structural calculations made in 2014 are based on DIN EN 1999-1-1 and DIN EN 1999-1-1/A2 • All loading data should be multiplied by 0.85 to comply with BS 7905-2 / ANSI E12-2006 / CWA 15902-2 • For any other application, or in case of an assembled structure, contact MILOS or a Structural Engineer • Safety factors used - self weight 1.35 / loading 1.5